

ADNOL™ TSPC 20

Antioxidans für Polyamide

Product description and application:

ADNOL™ TSPC 20 is a general purpose stabilizer for all polyamides, which require protection against embrittlement by oxidative degradation at continuous high operating temperatures of 150-180 °C. It consists of a synergistic chemical mixture of copper and halogen compounds, which are incorporated into a wax matrix. Hereby, the insoluble components are finely dispersed, which ensures an even, homogeneous distribution in the polyamide compound (masterbatch effect). Since the "encapsulation" only works at temperatures < 100 °C, the active ingredients are released as desired when they are blended into the polyamide melt. Due to the very low water-soluble content, its use for electrical components made of PA is particularly recommended. Another advantage is simple and dust-free dosage of the product.

Dosage recommendation:

The recommended **quantity addition** depends on the polyamide and requirements of the finished parts. Best results are achieved with dosage of 0,15 – 0,3 % **ADNOL™ TSPC 20**, corresponding to 75 – 150 ppm copper (additional recommendations after consultation).

The addition is best carried out by continuous dosing during compounding.

Properties:

- Change of state: melting point > 80 °C, no decomposition products during addition, odorless, easily dispersible
- Appearance: pellets
- Packing: cartons with PE bags of 25 kg net (bulk density approx. 650 – 700 g/l)
- Labelling: the relevant safety precautions must be observed when handling chemicals (see safety data sheet)

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